

Amendments to the Claims

The following listing of claims replaces all prior versions of the claims and all prior listings of the claims in the present application.

1-9. (canceled)

10. (new) A system for notifying detected tyre operating conditions, comprising:

a device for receiving tyre operating parameters detected by at least one sensor associated with at least one tyre of a vehicle; and

a device for notifying one or more persons inside the vehicle of an indication of operating conditions of the at least one tyre, determined on a basis of the received tyre operating parameters;

wherein the notifying device comprises a radio data system transmission module for generating a signal receivable by a radio receiver compatible with the Radio Data System (RDS) standard, the Radio Broadcast Data System (RBDS) standard, or the RDS and RBDS standards, and for transmitting the indication of the operating conditions of the at least one tyre, exploiting the RDS or RBDS protocol, and

wherein the one or more persons inside the vehicle are notified of the indication of the operating conditions of the at least one tyre through the radio receiver.

11. (new) The system of claim 10, wherein the notifying device comprises a microcontroller for determining a message to be notified on the basis of the received tyre operating parameters,

wherein the microcontroller is fed by the receiving device, and

wherein the radio data system transmission module comprises:

a device for formatting the message to be notified in accordance with the RDS or

RBDS protocol, and

a radio transmitter for generating the signal, carrying the formatted message,

receivable by the radio receiver.

12. (new) The system of claim 11, further comprising a device for coupling the radio transmitter to the radio receiver.

13. (new) The system of claim 12, wherein the coupling device comprises:

an antenna coupler; and

an antenna cable connectable to an antenna input of the radio receiver.

14. (new) The system of claim 10, wherein the receiving device is adapted to receive a radio signal transmitted by the at least one sensor.

15. (new) The system of claim 10, further comprising an audio signal generator adapted to directly drive a loudspeaker system of the radio receiver for acoustically notifying the indication of the operating conditions of the at least one tyre.

16. (new) The system of claim 10, wherein the at least one sensor includes one or more pressure sensors associated with the at least one tyre for measuring inflation pressure of the at least one tyre.

17. (new) The system of claim 10, wherein the at least one sensor includes one or more temperature sensors associated with the at least one tyre for measuring temperature of the at least one tyre.

18. (new) A method for notifying detected tyre operating conditions, comprising:
receiving tyre operating parameters from at least one sensor associated with at least one tyre of a vehicle; and

on a basis of the received tyre operating parameters, notifying an indication of the operating conditions of the at least one tyre to one or more persons inside the vehicle;

wherein the notifying comprises transmitting the indication of the operating conditions of the at least one tyre in a form compliant with the Radio Data System (RDS) or Radio Broadcast Data System (RBDS) protocol, and

wherein the indication of the operating conditions of the at least one tyre is receivable by a radio receiver compatible with the RDS standard, the RBDS standard, or the RDS and RBDS standards.